ا	Hits	EAST SEARCH Search String	8/20/03 Databases
7	2	5,835,379.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
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7	7	4,504,920.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
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۲_	7	4,868,751.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
<u>ල</u>	7	4,989,166.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
-10	7	5,031,108.pn.	
Ε.	7	5,031,127.pn.	EPO; JPO; DERWENT; IBM_
L12	7	5,035,598.pn.	EPO; JPO; DERWENT; IBM_
-13	7	5,097,431.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	2	5,097,432.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
<u> </u>	2	5,146,086.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	7	5,350,547.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	7	5,377,119.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
P 97	2	5,549,857.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
F8	2	5,572,434.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
۲٦	7	5,811,133.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
67	5	5,581,468.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	7	Niigata Engineering and Miyoshi and "Injection molding"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
=	9	Toray Industries and Nakano and "injection molding"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	0	FANUC and Kamiguchi and "position of resin"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	0	Kamiguchi and "position of resin"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	0	METHOD OF MINITORING POSITION OF RESIN	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	0	92902748 and CAVITY	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	7	3,977,255.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	7	4,641,270.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	7	5,072,782.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	7	5,812,402.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	7	6,021,270.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	2	6,096,088.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	7	6,192,327.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	7	6,327,553.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	178	injection molding with simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	891	injection molding with model\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	1044	1 or 2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
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09/404932 Christian Friedl et al.

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Document Kind Codes Title		Issue Date (Current OR	Abstract
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US 20020088600 A1	Tool and process for casting a shaped part for the production of a turbine blade	20020711 164/137	164/137	
US 20020076682 A1	Molecular models	20020620 434/277	434/277	
US 20010044651 A1	Expandable stent with sliding and locking radial elements	20011122 623/1.16	523/1.16	
US 6554882 B1	Rapid tooling sintering method and compositions therefor	20030429 75/228	75/228	
US 6532299 B1	System and method for mapping a surface	20030311 382/128	382/128	
US 6516241 B1	Method for gauging a mold cavity for injection molding	20030204 700/200	700/200	
US 6471520 B1	Model of complex structure and method of making the same	20021029 434/278	434/278	
US 6450393 B1	Multiple-material prototyping by ultrasonic adhesion	20020917 228/110.1	228/110.1	
US 6405095 B1	Rapid prototyping and tooling system	20020611 700/118	700/118	
US 6201508 B1	Injection-molded phased array antenna system	20010313 343/778	343/778	
US 6161057 A	Apparatus for analyzing a process of fluid flow, and a production method of an injection molde	20001212 700/197	700/197	
US 6048954 A	Binder compositions for laser sintering processes	20000411 526/328.5	526/328.5	
US 5947745 A	Atomic model of simultaneous electron-pair-sharing and allosterism	19990907 434/278	434/278	
US 5897592 A	Implantable articles with as-cast macrotextured surface regions and method of manufacturing	19990427 128/898	128/898	
US 5835379 A	Apparatus and method for analyzing a process of fluid flow, an apparatus and method for anal	19981110 700/197	700/197	
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US 5658334 A	Implantable articles with as-cast macrotextured surface regions and method of manufacturing	19970819 128/898	128/898	
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115 5007/31 A	Evolvation mothers of flow analysis on molding of a moltan motorial	1000001	2000	

19911210 264/1.34 19800520 446/61 20020604 20000808 20000111 19970930 0 ME 19960416 for ϵ 19960228	
Plastic molding of articles including a hologram or other microstructure Molded model airplane Molded model airplane METHOD AND APPARATUS FOR MOLDING THREE-DIMENSIONAL SHAPE OF MOLDED PORTRAIT MODEL AND MANUFACTURE THEREFOR INJECTION MOLDING PROCESS SIMULATION SYSTEM PLAN SUPPORT APPARATUS DEVICE AND METHOD FOR ANALYSIS OF FLUID FLOWING PROCESS, DEVICE AND ME An apparatus and method for a process of fluid flow, an apparatus and method for a	
US 5071597 A US 4203250 A JP 2002160266 A JP 2000218060 A JP 200006219 A JP 09254194 A JP 08099341 A EP 698467 A1	

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Wojcik, G.L.; Vaughan, D.K.; Murray, V.; Mould, J., Jr.;
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5 Nonlinear control of an electrohydraulic injection molding machine via iterative learning

Havlicsek, H.; Alleyne, A.;

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Mathur, R.; Advani, S.G.; Fink, B.K.;

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Sakurai, Y.; Nakada, T.; Tanaka, K.; Intelligent Control, 2002. Proceedings of the 2002 IEEE Internatinal Symposium on , 27-30 Oct. 2002 Page(s): 626 -630

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13 Linear motor for ejector mechanism

Bang, Y.B.; Lee, K.M.;

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14 P siti n c ntr l f a plastic injecti n m ulding machine via feedback linearizati n

Bona, B.; Giacomello, L.; Greco, C.; Malandra, A.; Decision and Control, 1992., Proceedings of the 31st IEEE Conference on , 16-18 Dec. 1992 Page(s): 2591 -2593 vol.3

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15 Using the computer as a tool in engineering technology programs

Kitto, K.L.;

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	2 Molded circuit interconi third dimension	nects: electronic p	ackaging in the

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6 Time-domain modeling of composite arrays for underwater imaging

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Sejin Han; Wang, K.K.;

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mutt-material objects

Malay Kumar, Satyandra K. Gupta

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This paper describes a geometric algorithm for automated design of multi-stage molds for manufacturing multi-material objects. In multi-stage molding process, the desired multi-material object is produced by carrying out multiple molding operations in a sequence, adding one material in the target object in each mold-stage. We model multi-material objects as an assembly of single-material components. Each mold-stage can only add one type of material. Therefore, we need a sequence of mold-stage ...

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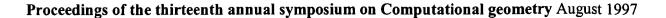
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4 A new algorithm for computing shortest paths in weighted planar subdivisions (extended abstract) 80%

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5 A knowledge-based decision support system for flexible manufacturing

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A decision support system is under development for planning in flexible manufacturing, using a consortium of knowledge-based systems utilizing expert system, database, and simulation techniques. An object-oriented approach is incorporated. There are six basic modules: machine selection optimizer; database; production flow analyzer; rapid modelling techniques system; FMS simulator; supervisor. The prototype of the machine selection optimizer has been developed, tested, and is under ...

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7 Future of simulation: The expanding role of simulation in future manufacturing

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Charles McLean, Swee Leong

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Continued progress in the area of solid modeler based machining process simulation is hindered by the complexity growth that occurs for a large number of tool paths n. For this reason, many researchers have adopted the Z-buffer approach. Boundary-representation (B-rep), however, remains the dominant choice for commercial modelers. This paper begins by reviewing the current state of solid modeler based machining simulation. Using an industrial example, the growth rate, for a simple feed ...

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12 Overview of microelectromechanical systems and design processes

77%

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Proceedings of the 34th annual conference on Design automation conference June 1997

13 Machine interpretation of CAD data for manufacturing applications

77%

Qiang Ji, Michael M. Marefat

ACM Computing Surveys (CSUR) September 1997

Volume 29 Issue 3

Machine interpretation of the shape of a component for CAD databases is an important problem in CAD/CAM, computer vision, and intelligent manufacturing. It can be used in CAD/CAM for evaluation of designs, in computer vision for machine recognition and machine inspection of objects, and in intelligent manufacturing for automating and integrating the link between design and manufacturing. This topic has been an active area of research since the late '70s, and a significant number of computat ...

14 Implementing shared manufacturing services on the World-Wide Web

77%

J. W. Erkes, K. B. Kenny, J. W. Lewis, B. D. Sarachan, M. W. Sobolewski, R. N. Sum Communications of the ACM February 1996

Volume 39 Issue 2

15 Knowledge representation and control structure based on three-dimensional symbolic skeletons

77%

for CAD/CAM integration

I. C. You, C. N. Chu, R. L. Kashyap

Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1 June 1990

A formalism for symbolic representation of three-dimensional model and its use for knowledge representation and control structure are presented. A robust feature-based design (RFBD) approach has been developed to represent three dimensional objects and to provide meaningful geometric and topological properties for manufacturability evaluation. For knowledge acquisition, binary syntactic primitive pairs have been established for high level symbolic reasoning. Symbolic reasoning tables provid ...

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1 A geometric algorithm for automated design of multi-stage molds for manufacturing

82%

multi-material objects

Malay Kumar, Satyandra K. Gupta

Proceedings of the sixth ACM symposium on Solid modeling and applications May 2001

This paper describes a geometric algorithm for automated design of multi-stage molds for manufacturing multi-material objects. In multi-stage molding process, the desired multi-material object is produced by carrying out multiple molding operations in a sequence, adding one material in the target object in each mold-stage. We model multi-material objects as an assembly of single-material components. Each mold-stage can only add one type of material. Therefore, we need a sequence of mold-stage ...

2 A knowledge-based decision support system for flexible manufacturing

77%

D. H. Norrie, R. Fauvel, B. R. Gaines, M. Mowchenko

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3 Future of simulation: The expanding role of simulation in future manufacturing

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Charles McLean, Swee Leong

Proceedings of the 33nd conference on Winter simulation December 2001

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graph injection and data levitation concepts

Marius V. A. H?ncu, Kenneth C. Smith

Proceedings of the 1986 ACM fourteenth annual conference on Computer science February 1986

2 A geometric algorithm for automated design of multi-stage molds for manufacturing

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3 Intelligent multimedia tutoring systems

84%

Beverly Park Woolf

Communications of the ACM April 1996

Volume 39 Issue 4

4 On the use of GPSS to model hierarchical control systems in a manufacturing environment

83%

Ronald J. Degen, Thomas J. Schriber

Proceedings of the 76 Bicentennial conference on Winter simulation December 1976 The concept of hierarchical, multilevel control systems is reviewed in the context of



manufacturing systems, and the strata typically composing such control systems are discussed. The possibility of building simulation models of hierarchical systems, using FORTRAN routines to represent the higher-level strata, and GPSS to model the actual manufacturing steps themselves, is introduced. A hypothetical, nine-product toy-manufacturing system is described, and some of the specific features of a ...

5 Coherent network interfaces for fine-grain communication

83%

Shubhendu S. Mukherjee, Babak Falsafi, Mark D. Hill, David A. Wood

ACM SIGARCH Computer Architecture News , Proceedings of the 23rd annual international symposium on Computer architecture May 1996

Volume 24 Issue 2

Historically, processor accesses to memory-mapped device registers have been marked uncachable to insure their visibility to the device. The ubiquity of snooping cache coherence, however, makes it possible for processors and devices to interact with cachable, coherent memory operations. Using coherence can improve performance by facilitating burst transfers of whole cache blocks and reducing control overheads (e.g., for polling). This paper begins an exploration of network interfaces (NIs) that u ...

6 Decoupled hardware support for distributed shared memory

83%

Steven K. Reinhardt, Robert W. Pfile, David A. Wood

ACM SIGARCH Computer Architecture News, Proceedings of the 23rd annual international symposium on Computer architecture May 1996

Volume 24 Issue 2

This paper investigates hardware support for fine-grain distributed shared memory (DSM) in networks of workstations. To reduce design time and implementation cost relative to dedicated DSM systems, we decouple the functional hardware components of DSM support, allowing greater use of off-the-shelf devices. We present two decoupled systems, Typhoon-0 and Typhoon-1. Typhoon-0 uses an off-the-shelf protocol processor and network interface; a custom access control device is the only DSM-specific hard ...

7 A new algorithm for computing shortest paths in weighted planar subdivisions (extended abstract) 82%

Christian S. Mata, Joseph S. B. Mitchell

Proceedings of the thirteenth annual symposium on Computational geometry August 1997

8 Quo Vadimus: computer science in a decade

80%

4 J. F. Traub

Communications of the ACM June 1981

Volume 24 Issue 6

A panel discussion was held during the third biennial meeting of chairmen of Ph.D.-granting computer science departments in June, 1978 at Snowbird, Utah, a meeting sponsored by the Computer Science Board. Invitees from industry and government were also present. A report was prepared from tapes made of the discussion (Department of Computer Science, Carnegie-Mellon University: Report #CMU-CS-80-127, June 1980). It contained all the prepared statements of the panelists, lightly edited, and th ...

9 On the status of design automation in canada

80%

W. M. vanCleemput, R. F. Allum, J. G. Linders

Proceedings of the 12th design automation conference January 1975

An important characteristic of Canadian industry is that it is largely foreign-dominated. A result of this is that many products, that are manufactured in Canada, are designed elsewhere. Furthermore, since the development of design automation techniques and systems usually affects the whole corporation, this development is almost always done in the country in which its headquarters is established. As an example, consider the computer industry: although some major computer manufacturers have ...

10 A diagnostic expert system for analyzing multiple-failure transients in nuclear power plants

80%

Robert P. Martin, B. Nassersharif

Proceedings of the first international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1 June 1988

CATALISP (Computer Aided Transient Analysis coded in Lisp) is a prototype expert system which is the result of a project investigating and implementing event confidence-levels (used by reactor safety experts in reactor transient analysis) in the form of an expert system. Currently, CATALISP is designed to diagnose reactor transients by analyzing simulated sensor and plant thermal hydraulic information from a system simulation. CATALISP uses a knowledge base of existing emergency nuclear pla ...

11 Maniplicons in ThinkerToy

80%

Steven H. Gutfreund

ACM SIGPLAN Notices, Conference proceedings on Object-oriented programming systems, languages and applications December 1987

Volume 22 Issue 12

ThinkerToy is a graphical environment for modeling decision support problems. It provides a tableau on which such problems as landscape planning, service scheduling, and statistical analysis can be modeled and analyzed. Normally, complex mathematical and statistical modeling techniques are needed to perform meaningful analysis. ThinkerToy uses graphical icons with concrete physical properties to replace mathematical relationships and properties. The key construct in this methodology is the ...

12 Exploiting the map metaphor in a tool for software evolution

80%

d William G. Griswold, Jimmy J. Yuan, Yoshikiyo Kato

Proceedings of the 23rd international conference on Software engineering July 2001

Software maintenance and evolution are the dominant activities in the software lifecycle. Modularization can separate design decisions and allow them to be independently evolved, but modularization often breaks down and complicated global changes are required. Tool support can reduce the costs of these unfortunate changes, but current tools are limited in their ability to manage information for large-scale software evolution. In this paper we argue that the map metaphor can serve as an org ...

13 The SNAP-1 parallel AI prototype

80%

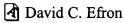
R. F. DeMara, D. I. Moldovan

ACM SIGARCH Computer Architecture News, Proceedings of the 18th annual international symposium on Computer architecture April 1991

Volume 19 Issue 3

14 A methodology for tuning and verifying package simulation models

77%



Proceedings of the 1975 symposium on Simulation of computer systems August 1975

The computer system simulation packages are generally regarded as being capable of producing viable performance projections quickly and cheaply relative to the time and cost of programming unique simulation models. Many users also recognize that simulation models cast in the prescribed molds of the packages may be subject to various errors. They will therefore consider all results as coarse indications of expected performance levels. In contrast, this paper demonstrates how the p ...

15 An integrated analytical system for global range planning

77%

T. E. Williamson

Proceedings of the 1967 22nd national conference January 1967

The mental image formed upon the first attempt to focus on a problem of the scope involved in systematizing the planning and scheduling functions of a space vehicle tracking range is truly overwhelming (Figure 1). Further investigation, however, while not diminishing the elephantine proportions of the problem, reveals considerable detail of importance. First, there was already at hand at the Air Force Eastern Test Range specific ADP capabilities that could be used almost directly ...

16 The future of optical fibers for data communications

77%

Tingye Li

Proceedings of the fifth data communications symposium September 1977

Optical-fiber transmission lines appear attractive for a variety of communication applications in which twisted copper pairs and coaxial cables are now used. These applications range from on-premises data links and equipment wiring to interoffice and intercity telecommunications trunks. Experiments to explore the technical feasibility of glass fibers in these areas are presently in progress. This talk summarizes the current state of research on optical fibers, fiberguide cables and ...

17 Fast detection of communication patterns in distributed executions

77%

Thomas Kunz, Michiel F. H. Seuren

Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research November 1997

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

18 Stride prefetching by dynamically inspecting objects

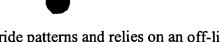
77%

🖪 Tatsushi Inagaki, Tamiya Onodera, Hideaki Komatsu, Toshio Nakatani

ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 2003 conference on Programming language design and implementation June 2003

Volume 38 Issue 5

Software prefetching is a promising technique to hide cache miss latencies, but it remains challenging to effectively prefetch pointer-based data structures because obtaining the memory address to be prefetched requires pointer dereferences. The recently proposed stride prefetching



overcomes this problem, but it only exploits *inter-iteration* stride patterns and relies on an off-line profiling method. We propose a new algorithm for stride prefetching which is intended for use in a dynamic ...

19 New techniques for ray tracing procedurally defined objects

77%

James T. Kajiya

Proceedings of the 10th annual conference on Computer graphics and interactive techniques July 1983

We present new algorithms for efficient ray tracing of three procedurally defined objects: fractal surfaces, prisms, and surfaces of revolution. The fractal surface algorithm performs recursive subdivision adaptively. Subsurfaces which cannot intersect a given ray are culled from further consideration. The prism algorithm transforms the three dimensional ray-surface intersection problem into a two dimensional ray-curve intersection problem, which is solved by the method of strip trees. The ...

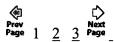
20 The architecture and programming of the Ametek series 2010 multicomputer

77%

Proceedings of the third conference on Hypercube concurrent computers and applications:
Architecture, software, computer systems, and general issues - Volume 1 January 1988
During the period following the completion of the Cosmic Cube experiment [1], and while commercial descendants of this first-generation multicomputer (message-passing concurrent computer) were spreading through a community that includes many of the attendees of this conference, members of our research group were developing a set of ideas about the physical design and programming for the second generation of medium-grain multicomputers. Our principal goal was to improve by as much ...

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22 Planning as feedback to designers

77%

1 J. Mills, Y. Sekine, E. Wysocki, W. Furth, K. Otwell, S. Jameson, A. Burzio Proceedings of the second international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1 June 1989

23 Future of simulation: The expanding role of simulation in future manufacturing

77%

Charles McLean, Swee Leong

Proceedings of the 33nd conference on Winter simulation December 2001

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24 Parallel processing for 2-1/2D machining simulation

77%



A. D. Spence, Z. Li

Proceedings of the sixth ACM symposium on Solid modeling and applications May 2001

Continued progress in the area of solid modeler based machining process simulation is hindered by the complexity growth that occurs for a large number of tool paths n. For this reason, many researchers have adopted the Z-buffer approach. Boundary-representation (B-rep), however, remains the dominant choice for commercial modelers. This paper begins by reviewing the current state of solid modeler based machining simulation. Using an industrial example, the growth rate, for a simple feed ...

25 Control of initialization bias in multivariate simulation response

77%

1 Lee W. Shruben

Communications of the ACM April 1981

Volume 24 Issue 4

26 New Techniques for Ray Tracing Procedurally Defined Objects

77%

James T. Kajiya

ACM Transactions on Graphics (TOG) July 1983

Volume 2 Issue 3

27 Visualizing multivalued data from 2D incompressible flows using concepts from painting

77%

R. M. Kirby, H. Marmanis, D. H. Laidlaw

Proceedings of the conference on Visualization '99: celebrating ten years October 1999 We present a new visualization method for 2d flows which allows us to combine multiple data values in an image for simultaneous viewing. We utilize concepts from oil painting, art, and design as introduced in [1] to examine problems within fluid mechanics. We use a combination of discrete and continuous visual elements arranged in multiple layers to visually represent the data. The representations are inspired by the brush strokes artists apply in layers to create an oil painting. We displa ...

28 Linux Means Business: IMEC/NIT

77%

Linux Journal January 1996

29 An overview of fully integrated digital manufacturing technology

77%

Scott Freedman

Proceedings of the 31st conference on Winter simulation: Simulation---a bridge to the future

- Volume 1 December 1999

30 Accurate computation of the medial axis of a polyhedron

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Tim Culver, John Keyser, Dinesh Manocha

Proceedings of the fifth ACM symposium on Solid modeling and applications June 1999

31 Overview of microelectromechanical systems and design processes

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William C. Tang

Proceedings of the 34th annual conference on Design automation conference June 1997



32 Interface to architecture: integrating technology into the environment in the Brain Opera

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Maggie Orth

Proceedings of the conference on Designing interactive systems: processes, practices, methods, and techniques August 1997

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77%

Qiang Ji, Michael M. Marefat

ACM Computing Surveys (CSUR) September 1997

Volume 29 Issue 3

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34 Fabrication and performance of mesa interconnect

77%

L. Carley, D. Guillou, S. Santhanam

Proceedings of the 1996 international symposium on Low power electronics and design August 1996

35 Synchronization hardware for networks of workstations: performance vs. cost

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Rahmat S. Hyder, David A. Wood

Proceedings of the 10th international conference on Supercomputing January 1996

36 Rapid design and manufacture of wearable computers

77%

S. Finger, M. Terk, E. Subrahamanian, C. Kasabach, F. Prinz, D. P. Siewiorek, A. Smailagic, J. Stivoric, L. Weiss

Communications of the ACM February 1996

Volume 39 Issue 2

37 Implementing shared manufacturing services on the World-Wide Web

77%

J. W. Erkes, K. B. Kenny, J. W. Lewis, B. D. Sarachan, M. W. Sobolewski, R. N. Sum Communications of the ACM February 1996

Volume 39 Issue 2

38 The S/Net's Linda kernel

77%

Nicholas Carriero, David Gelernter

ACM Transactions on Computer Systems (TOCS) May 1986

Volume 4 Issue 2

Linda is a parallel programming language that differs from other parallel languages in its simplicity and in its support for distributed data structures. The S/Net is a multicomputer, designed and built at AT&T Bell Laboratories, that is based on a fast, word-parallel bus interconnect. We describe the Linda-supporting communication kernel we have implemented on the S/Net. The implementation suggests that Linda's unusual shared-memory-like communication primitives can be made to run well in ...



39 Representing monads

77%

Andrzej Filinski

Proceedings of the 21st ACM SIGPLAN-SIGACT symposium on Principles of programming languages February 1994

We show that any monad whose unit and extension operations are expressible as purely functional terms can be embedded in a call-by-value language with "composable continuations". As part of the development, we extend Meyer and Wand's characterization of the relationship between continuation-passing and direct style to one for continuation-passing vs. general "monadic" style. We further show that the composable-continuations construct can itself be represented using o ...

40 DAIDA: an environment for evolving information systems

77%

M. Jarke, J. Mylopoulos, J. W. Schmidt, Y. Vassiliou

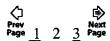
ACM Transactions on Information Systems (TOIS) January 1992

Volume 10 Issue 1

We present a framework for the development of information systems based on the premise that the knowledge that influences the development process needs to somehow be captured, represented, and managed if the development process is to be rationalized. Experiences with a prototype environment developed in ESPRIT project DAIDA demonstrate the approach. The project has implemented an environment based on state-of-the-art languages for requirements modeling, design and implementation of informat ...

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	5 .	Florin Ilinca, Jean-	<i>Francois Hetu, A</i> ogy. Brookfield:	Abdessalem Derdou	n of metal injection molding ri, James Stevenson. Journal of Injection s. 4; p. 229 (10 pages)
	6.	Will the mold fill? Max Molenaar. Ma B Text+Grap	chine Design. (002. Vol. 74, Iss. 21; p. 112 (2 pages)
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	13.	Process simulation and optimization for injection moldingexperimental verifications and field applications Lih-Sheng Turng, Michael Peic, Dave K Bradley. Journal of Injection Molding Technology. Brookfield: Jun 2002. Vol. 6, Iss. 2; p. 143 (14 pages) Text+Graphics Page Image - PDF
	14.	Simulation software covers more processes Canadian Plastics. Don Mills: May 2002. Vol. 60, Iss. 5; p. 43 Full text
	15.	CAE simulationTool Anonymous. Plastics Engineering. Brookfield Center: May 2002. Vol. 58, Iss. 5; p. 30 (1 page) ☐ Full text ☐ Page Image - PDF
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simulation software

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